ECE-345-001 (Fall 2020) ⌄

Review Test Submission: Quiz 9.3

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Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 9.3
Started	11/17/20 9:42 AM
Submitted	11/17/20 9:43 AM
Status	Completed
Attempt Score	3 out of 3 points
Time Elapsed	1 minute
Results Displayed	All Answers, Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points

Consider the Bode plot of a transfer function $G(s)$. As compared to the Bode plot of $G(s)$, the Bode plot of $KG(s)$, for $K > 0$, will...

Selected Answer: have a magnitude plot that is shifted up by $20\log K$ dB.

Answers: have a magnitude plot that is shifted up by $20\log K$ dB.

have a magnitude plot that is shifted up by K dB.

have a magnitude plot that is shifted down by $20\log K$ dB.

have a magnitude plot that is shifted down by K dB.

have a magnitude plot that is the same as that of $G(s)$

Question 2

1 out of 1 points

True or false? The phase plot of the frequency response of $G(s)$ is the same as that of $KG(s)$, for any $K > 0$.

Selected Answer: True

Answers: True

False

Question 3

1 out of 1 points

True or false? Type number of a negative unity feedback system with open loop-transfer function $G(s)$ can be inferred from the Bode diagram of $G(s)$ by examining the low-frequency slope of the magnitude plot.

Selected Answer: True

Answers: True

False

Tuesday, November 17, 2020 9:43:39 AM MST

← OK